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(54) **ELECTROCHEMICAL BIOSENSOR STRIP, METHOD FOR MEASURING BLOOD GLUCOSE CONCENTRATION, AND ELECTROCHEMICAL QUANTITATIVE ANALYSIS SYSTEM**

(57) The electrochemical biosensor strip includes an electrode layer, a spacer, a reagent layer and a cover layer. The electrode layer is disposed on a substrate, and the electrode layer includes a first electrode, a second electrode and a third electrode. The spacer is disposed on the electrode layer, and the spacer includes a first opening, a second opening and a groove which are not communicated with each other. The groove is recessed inwardly from a side of the spacer. The first and second openings are adjacent to the groove. The first opening, the second opening and the groove respectively correspond to and expose the first electrode, the second electrode and the third electrode. The reagent layer is disposed on the first electrode and the second electrode, and the reagent layer is not disposed on the third electrode exposed from the groove. The cover layer is disposed on the spacer.

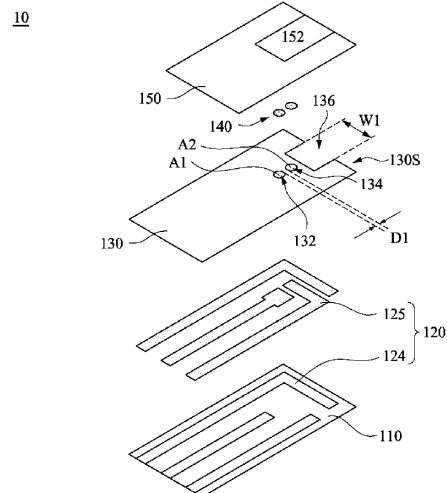


Fig. 2

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EUROPEAN SEARCH REPORT

Application Number

EP 24 17 1302

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EPO FORM 1503 03.82 (P04C01)

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2008/006530 A1 (WINARTA HANDANI [US] ET AL) 10 January 2008 (2008-01-10)	1-3,6,15	INV. G01N27/327 C12Q1/00
Y	* figure 2 * * paragraphs [0026], [0027], [0029], [0031], [0032] *	4,5	
X	CA 2 375 092 A1 (NOVA BIOMEDICAL CORP [US]) 7 December 2000 (2000-12-07)	1-3,15	
Y	* figure 2 * * page 6, lines 23-24 * * page 12, lines 15-17 * * page 13, lines 7-10, 22-30 * * page 14, lines 6-13 *	4,5	
X	EP 1 634 066 B1 (HUANG CHUN-MU [CN]) 24 August 2016 (2016-08-24)	1-3,15	TECHNICAL FIELDS SEARCHED (IPC) G01N C12Q
Y	* figure 2 * * paragraph [0036] *	4,5	
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-The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 20 August 2024	Examiner Kratz, Dorothee
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	



Application Number

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1 - 6, 15

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION
SHEET B**

Application Number

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

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1. claims: 1-6, 15

Electrochemical biosensor strip

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2. claims: 7-14

Method for measuring blood glucose concentration

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

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